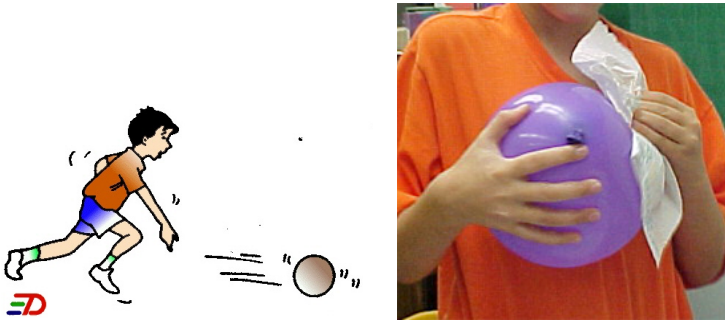


Friction Pre Class 1

What causes moving objects to stop or slow down, if nothing is in their way? List all the possibilities.

Friction- a force that opposes motion when two surfaces are in contact



The amount depends on :

1. The amount of force put on the objects in contact. More force puts the objects even closer together.

Example- dragging your feet on a rug as opposed to walking creates more friction between your feet and the rug



2 The type of surface. The rougher the surface, the more friction.



more friction



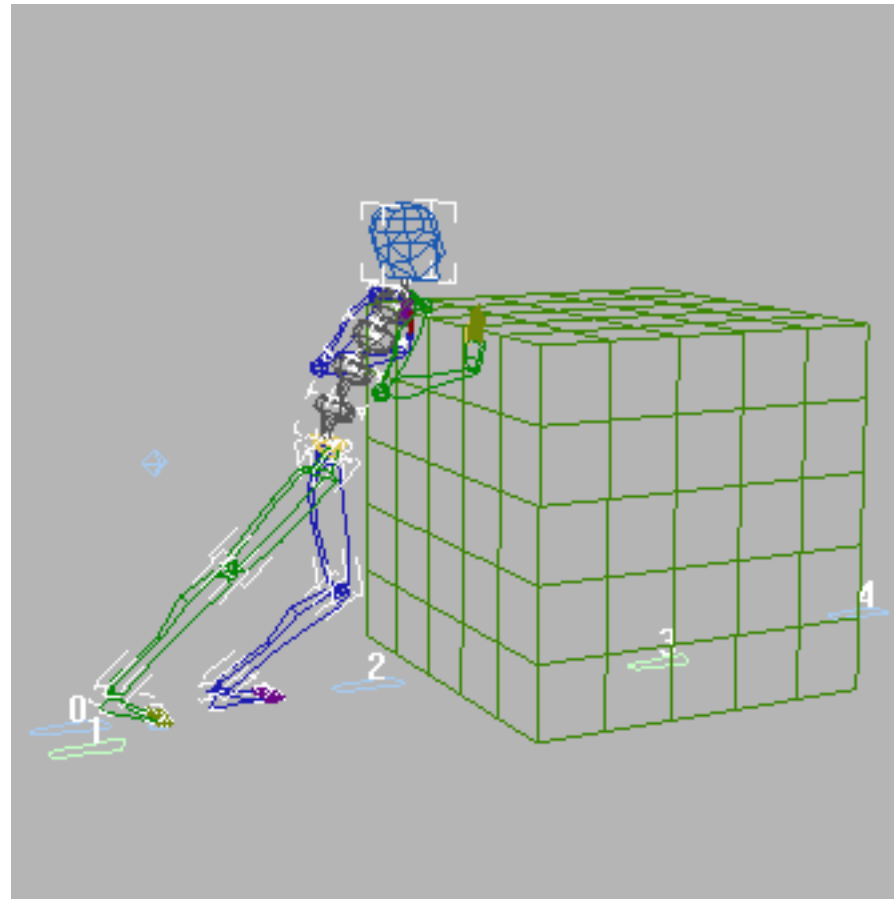
less friction

Last Week: We talked about balanced and unbalanced forces. We said that a balanced force occurred when there was no movement because the forces were equal in opposite directions.

These forces could have been a result of ***STATIC FRICTION***.

Static Friction combined with an opposite force will cause no movement because it is **equal to the applying force**.

Examples



Friction between moving objects is known as ***Kinetic Friction***.

Kinetic Friction can be **sliding or rolling**.

Sliding creates _____ friction than rolling.
Thus sliding friction makes things
_____ to move.

Examples.





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